

CLAIMS

1. Composition comprising as the active ingredient complexes of immunoglobulins and polysaccharides wherein the polysaccharide is not chemically cross-linked to the immunoglobulin, for systemic use.
2. Composition according to claim 1 for oral administration.
3. Composition according to claim 1 for transmucosal administration.
4. Composition according to claim 3, wherein said transmucosal administration is perlingual, rectal and vaginal, buccal.
5. Composition according to claim 1, wherein the immunoglobulins and the polysaccharides are associated by means of non-covalent links.
6. Composition according to claim 5, wherein the immunoglobulins and the polysaccharides are associated by means of ionic interactions.
7. Composition according to claim 1, wherein said polysaccharides are chosen in group consisting of: chitosanes and alginates.
8. Composition according to claim 7, wherein chitosanes are chosen among: chitosane with low molecular weight and high degree of acetylation, methylglycolchitosane, Protasan TM and their salts or derivatives.
9. Composition according to claim 8, wherein the chitosane is metilglicolchitosane or its salt and derivatives
10. Composition according to claim 7, wherein the alginates are chosen among: polymannuronic acid, alginic acid or its enzymatic fragments or their derivatives or salts.
11. Composition according to claim 1, wherein said immunoglobulins are chosen among IgG, IgA, or their fragments F(ab')₂ or F(ab) or scFv.
12. Composition according to claim 11, wherein said immunoglobulins are IgG or their fragments F(ab')₂ or F(ab) or scFv.
13. Composition according to claim 1, wherein said immunoglobulins are specific for substances comprised in the group consisting of: toxins, infectious agents, hormones, enzymes, proenzymes, drugs of abuse, medicines, bioactive peptides, metabolites, physiologic precursors, or for their antigenic components.
14. Composition according to claim 13, wherein said toxins are of mycotic origin

15. Composition according to claim 14, wherein said toxins are chosen among: ochratoxin, aflatoxin, zearaloxon and fumonisine.
16. Composition according to claim 13, wherein the infectious agents are chosen among: Herpes simplex virus, cytomegalovirus (CMV), chickenpox virus, rubella virus, syncytial virus, respiratory virus, influenza virus, Epstein-Barr virus, *Listeria monocytogenes*, *Salmonella thypy*, *Salmonella enteritidis*, *Salmonella paratyphi*, *Salmonella thiphymurium*, *Salmonella choleraesuis*, *Clostridium tetani*, *Clostridium botulinum* or *Shigella*, *Candida albicans*, *Toxoplasma gondii*.
17. Composition according to claim 13, wherein said hormones are: chorionic gonadotropin, parathormone, glucagon, thyroid hormone.
18. Composition according to claim 13, wherein said proenzyme is prothrombin.
19. Composition according to claim 13, wherein said drugs of abuse are chosen among: cocaine, heroine, lysergic acid or their derivatives.
20. Composition according to claim 13, wherein said bioactive peptides are: somatostatin, cholecystoquinine, calcitonin, pentagastrin.
21. Composition according to claim 13, wherein said medicines are monensin, corticosteroids, antibiotics, anticoccidiostatics, antiviral, fungicides, chemiotherapeutic agents, sympathomimetic agents.
22. Compositions according to claim 16, further comprising immunomodulators derived from *Corynebacterium granulosum*.
23. Compositions according to claim 22, wherein said immunomodulator is the delipidated fraction of *Corynebacterium granulosum*.
24. Composition according to claim 19, for the treatment of syndromes caused by overdose of drugs of abuse.
25. Composition according to claim 20, for the treatment of growth-related problems, osteoporosis, ulcer.
26. Composition according to claim 21, for the preparation of food additives.